

STATEMENT OF BASIS (AI No. 51815)

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0118559 to discharge to waters of the State of Louisiana.

THE APPLICANT IS: CJL Enterprise, Inc.
C.J.'s Seafood & Purged Crawfish
1185 Breaux Bridge High School Rd.
Breaux Bridge, LA 70517

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

PREPARED BY: Kelli Hamilton

DATE PREPARED: December 14, 2009

1. PERMIT STATUS

A. Reason For Permit Action:

Permit reissuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

B. LPDES permit - LPDES permit effective date: January 1, 2005
LPDES permit expiration date: December 31, 2009

C. Date Application Received: December 2, 2009

2. FACILITY INFORMATION

A. FACILITY TYPE/ACTIVITY - crawfish processing facility

The existing facility grades, washes and boils crawfish, followed by peeling, packaging and refrigeration.

B. FEE RATE

1. Fee Rating Facility Type: minor
2. Complexity Type: II (BPJ points to 0 as per administrative decision)
3. Wastewater Type: II
4. SIC code: 2092

C. LOCATION - 1185 Breaux Bridge High School Rd. in Breaux Bridge, St. Martin Parish Latitude 30°15'14", Longitude 91°50'40"

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3. OUTFALL INFORMATION

Outfall 001

Discharge Type: process wastewater, washdown wastewater
Treatment: 1,000 gpd extended aeration mechanical plant
Location: at the point of discharge from the treatment plant
Flow: 400 gpd
Discharge Route: unnamed ditch, thence into Coulee Portage, thence into Bayou du Portage

Note: The sanitary wastewater from this facility is routed to a septic system with field lines.

4. RECEIVING WATERS

STREAM - unnamed ditch, thence into Coulee Portage, thence into Bayou du Portage

BASIN AND SEGMENT - Vermilion-Teche River Basin, Segment 060703

DESIGNATED USES - a. primary contact recreation
b. secondary contact recreation
c. propagation of fish and wildlife

5. TMDL STATUS

Subsegment 060703, Bayou du Portage, is not listed on LDEQ's Final 2006 303(d) list as impaired. However, subsegment 060703 was previously listed as impaired for Organic Enrichment/low DO, Pathogen Indicators, Suspended Solids/Turbidity/Siltation, and Turbidity, for which the below TMDL's have been developed. The Department of Environmental Quality reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional TMDL's and/or water quality studies. The DEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDL's for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as necessary to achieve compliance with water quality standards.

The following TMDL's have been established for subsegment 060703:

Bayou du Portage TMDL for Dissolved Oxygen

This EPA TMDL was final on May 2, 2002. Wasteload allocations were assigned to specific minor point sources only. This facility was considered to be so small as to be insignificant and thus was not given wasteload allocations for these pollutants. BOD limits are established through BPJ.

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Bayou du Portage TMDL for Fecal Coliform

This EPA TMDL was final on April 25, 2003. It developed TMDLs for fecal coliforms for the May - October season. The criterion of 200 colonies/100 mL was established to protect primary contact recreation. Pathogenic organisms may potentially be discharged with seafood waste. No fecal coliform limits were set in the TMDL for this facility and the contribution of fecal coliforms from this facility is considered to be so small as to be insignificant. Therefore, no fecal coliform limits are established in the draft permit.

TMDL for TSS, Turbidity, and Siltation for the Bayou Teche Watershed

The TMDL was final on May 2, 2002 and states that "Point source loads do not represent a significant source of TSS as defined in this TMDL. Point sources discharge primarily organic TSS which does not contribute to habitat impairment resulting from sedimentation. Because the point sources are minor contributors, and dischargers of organic suspended solids from point sources are already addressed by LDEQ through their permitting of point sources to maintain water quality standards for DO, the wasteload allocation for point source contributions were set to zero. This TMDL only addresses the landform contribution of TSS/sediment and does not address the insignificant point source contributions." TSS limits are established through BPJ.

6. CHANGES FROM PREVIOUS PERMIT

Limitations for crawfish processing have been established based upon BPJ using 40 CFR 408 Subpart B: Conventional Blue Crab Processing Subcategory.

7. COMPLIANCE HISTORY/COMMENTS

A. Compliance History

No records of recent compliance actions were found.

An inspection was conducted August 18, 2008. EDMS document 37720705.

B. DMR Review/Excursions - A DMR review was completed for September 2007 through September 2009. No excursions were reported.

8. EXISTING EFFLUENT LIMITS

Outfall 001 -	(mg/l)
BOD	---:Report
TSS	---:Report
Oil and Grease	---:Report
pH	6-9

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9. ENDANGERED SPECIES

The receiving waterbody, Subsegment 060703 of the Vermilion-Teche River Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated November 17, 2008 from Rieck (FWS) to Nolan (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. Therefore, the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat.

10. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

11. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in the application.

12. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

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13. STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENT

A SWP3 is included in the permit because in accordance with LAC 33:IX.2511.A.1, storm water shall not be required to obtain an LPDES permit "... except... discharges associated with industrial activity." In accordance with LAC 33:IX.2511.B.14.a-k, facilities classified as SIC code 2092 are considered to have storm water discharges associated with industrial activity.

For first time permit issuance, the SWP3 shall be prepared, implemented, and maintained within six (6) months of the effective date of the final permit. For renewal permit issuance, the SWP3 shall be reviewed and updated, if necessary, within six (6) months of the effective date of the final permit. The plan should identify potential sources of storm water pollution and ensure the implementation of practices to prevent and reduce pollutants in storm water discharges associated with industrial activity at the facility. (see Narrative Requirements for the AI)

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Rationale for CJL Enterprise, Inc.

1. Outfall 001 process wastewater, washdown wastewater (estimated flow is 400 gpd)

<u>Pollutant</u>	<u>Limitation</u> Mo. Avg:Daily Max (lb/day)	<u>Reference</u>
Flow	Report:Report	LAC 33:IX.2707.1.1.b
BOD ₅	2.4:4.8	BPJ, 40 CFR 408.25
TSS	7.2:14.4	BPJ, 40 CFR 408.25
Oil & Grease	1.0:2.1	BPJ, 40 CFR 408.25
pH (s.u.)	6.0:9.0 (min:max)	BPJ, 40 CFR 408.25

Treatment: 1,000 gpd extended aeration mechanical plant

Monitoring Frequency: quarterly

Limits Justification:

Calculations of Limits for Blue Crab Processing Wastewater

- New Source Performance Standards (NSPS) 40 CFR 408 Subpart B: Conventional Blue Crab Processing Subcategory. The effluent guidelines do not establish technology limits for crawfish processing. Therefore, limitations for crawfish processing are based upon BPJ using the conventional blue crab processing subpart.
- limits calculated from raw material weight processed each day

BOD₅

Daily Max (16,000 lbs raw mat./day) (0.3 lb/1000 lbs) = 4.8 lb/day

Monthly Avg (16,000 lbs raw mat./day) (0.15 lb/1000 lbs) = 2.4 lb/day

TSS

Daily Max (16,000 lbs raw mat./day) (0.9 lb/1000 lbs) = 14.4 lb/day

Monthly Avg (16,000 lbs raw mat./day) (0.45 lb/1000 lbs) = 7.2 lb/day

Oil & Grease

Daily Max (16,000 lbs raw mat. /day) (0.13 lb/1000 lbs) = 2.1 lb/day

Monthly Avg (16,000 lbs raw mat. /day) (0.065 lb/1000 lbs) = 1.0 lb/day

- * Existing permits for similar outfalls
- BPJ Best Professional Judgement
 su Standard Units

NOTE

For outfalls containing concentration limits, the usage of concentration limits is based on BPJ for similar outfalls since the flow is variable and estimated.